

**ABSTRACT OF THE INVENTION**

A spool comprises: a hub sandwiched between two flanges, said hub containing at least one living hinge forming a cavity in a periphery of said hub, such that during the temperature variations between  $-40^{\circ}\text{C}$  and  $85^{\circ}\text{C}$

- (i) the outer surface circumference of said hub changes, thereby changing the size of the opening associated with said cavity during said temperature change; and
- (ii) the outer surface diameter  $D_H$  of said hub remains substantially constant.